

Attorney Docket No.: 5248.210-US

PATENT

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re Application of: Charlotte Johansen Confirmation No: 3908

Serial No.: 09/768,803

Group Art Unit: 1651

Filed: January 24, 2001

Examiner: I. Marx

For: Antimicrobial Composition Containing A Haloperoxidase, A Hydrogen Peroxide Source, A Halide Source And An Ammonium Source

**REQUEST FOR CONTINUED EXAMINATION (RCE) TRANSMITTAL**Commissioner for Patents  
Box RCE  
Washington, DC 20231


Sir:

This is a Request for Continued Examination (RCE) under 37 C.F.R. §1.114 of the above-identified application. The fee under 37 C.F.R. 1.17(e) for filing an RCE is \$750.00.

1. Applicants enclose an Amendment.
2. Applicants request that the time for response to the Office Action dated September 23, 2002 be extended for a period of 2 months from December 23, 2002 to February 23, 2003. The required fee for the extension is estimated to be \$410.
3. No additional claim fee is required.
4. Please charge the fee for filing an RCE, and extension fees estimated to be \$1160.00, to Novozymes North America, Inc., Deposit Account No. 50-1701.

Respectfully submitted,

Date: February 14, 2003

  
Elias J. Lambiris, Reg. No. 33,728  
Novozymes North America, Inc.  
500 Fifth Avenue, Suite 1600  
New York, NY 10110  
(212) 840-0097

Attorney Docket No.: 5248.210-US

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## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

FAX RECEIVED

In re Application of: Charlotte Johansen

Confirmation No: 3908

FEB 14 2003

Serial No.: 09/768,803

Group Art Unit: 1651

GROUP 1600

Filed: January 24, 2001

Examiner: I. Marx

For: Antimicrobial Composition Containing A Haloperoxidase, A Hydrogen Peroxide Source, A Halide Source And An Ammonium Source

## CERTIFICATE OF FACSIMILE TRANSMISSION

OFFICIAL

Commissioner for Patents  
Washington, DC 20231

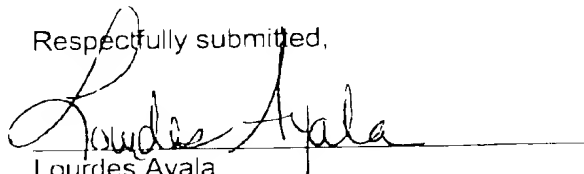
Sir:

I hereby certify that the attached correspondence comprising:

1. Request for Continued Examination (RCE) Transmittal (in duplicate)
2. Amendment

was sent to the United States Patent and Trademark Office by telefax to the attention of Examiner I. Marx, fax number (703) 305-3592.

Respectfully submitted,



Lourdes Ayala  
Novozymes North America, Inc.  
500 Fifth Avenue, Suite 1600  
New York, NY 10110  
(212) 840-0097

Date: February 14, 2003

Attorney Docket No.: 5248.210-US

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In re Application of: Charlotte Johansen Confirmation No: 3908

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For: Antimicrobial Composition Containing A Haloperoxidase, A Hydrogen Peroxide Source, A Halide Source And An Ammonium Source

**AMENDMENT UNDER 37 C.F.R. 1.116**Commissioner for Patents  
Washington, DC 20231

Sir:

In response to the Office Action mailed September 23, 2002, please amend the above-identified application as follows:

**IN THE CLAIMS:**

Please cancel claims 25-46 without prejudice or disclaimer. Please add new claims 47-58:

47. A method of killing or inhibiting the growth of microorganisms, comprising contacting the microorganisms with a composition comprising (a) a haloperoxidase at a concentration in the range of 0.01-100 mM, (b) a hydrogen peroxide source at a concentration in the range of 0.01-1000 mM, (c) a halide source at a concentration in the range of 0.01-1000 mM, and (d) a salt of  $\text{NH}_4^+$  at a concentration in the range of 0.01-1000 mM.

48. The method of claim 47, wherein the concentration of the haloperoxidase is in the range of 0.05-50 mM, the concentration of the halide source is 0.05-500 mM, and the concentration of the salt of  $\text{NH}_4^+$  is 0.05-500 mM.

49. The method of claim 47, wherein the haloperoxidase is a vanadium haloperoxidase.

50. The method of claim 47, wherein the haloperoxidase is a chloride peroxidase or a bromide peroxidase.